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PUBLIC DOCUMENT . . . . . No. 23.

SEVENTY-THIRD ANNUAL REPORT

OF

THE TRUSTEES

OF THE

WORCESTER INSANE HOSPITAL,

AND

TWENTY-EIGHTH ANNUAL REPORT OF THE TRUSTEES

OF THE

WORCESTER INSANE ASYLUM AT WORCESTER,

FOR THE

YEAR ENDING SEPTEMBER 30, 1905.

BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
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Mass. Officials

Approved by

The State Board of Publication.

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CONTENTS.

	PAGE
Report of Trustees,	7
Report of Superintendent,	12
Report of Treasurer,	23
Statistics,	31

OFFICERS OF THE HOSPITAL.

TRUSTEES.

SAMUEL B. WOODWARD,	WORCESTER.
LYMAN A. ELY,	WORCESTER.
GEORGE F. BLAKE,	WORCESTER.
ROCKWOOD HOAR,	WORCESTER.
THOMAS RUSSELL,	BOSTON.
SARAH E. WHITIN,	WHITINSVILLE.
FRANCES M. LINCOLN,	WORCESTER.

RESIDENT OFFICERS.

HOSEA M. QUINBY, M.D.,	*Superintendent.*
ALFRED I. NOBLE, M.D.,	*Assistant Superintendent.*
ISADOR H. CORIAT, M.D.,	*Assistant Physician.*
CORNELIA B. J. SCHORER, M.D.,	*Assistant Physician.*
EDWARD MELLUS, M.D.,	*Assistant Physician.*
WALTER C. HAVILAND, M.D.,	*Assistant Physician.*
THEODORE A. HOCH M.D.,	*Assistant Physician and Pathologist.*
FREEMAN A. TOWER, M.D.,	*Junior Assistant.*
GEORGE B. LANDERS, M.D.,	*Junior Assistant.*
HARRY W. HAMMOND, M.D.,	*Junior Assistant.*
ROBERT O. LEBARON, M.D.,	*Junior Assistant.*
LINDA A. J. RICHARDS,	*Superintendent of Nurses.*
HENRY R. CENTER,	*Steward.*
LILA J. GORDON,	*Matron.*
JOSEPH T. REYNOLDS,	*Farmer.*

NON-RESIDENT OFFICERS.

WILLIAM D. SPROAT,	*Druggist.*
ALBERT WOOD,	*Treasurer.*
GEORGE I. CLARK,	*Auditor.*
JESSIE M. D. HAMILTON,	*Clerk.*
JAMES DICKISON, JR.,	*Engineer.*

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor and the Honorable Council.

The trustees of the Worcester Insane Hospital herewith respectfully submit their seventy-third annual report.

It would seem that the appended reports of the superintendent and treasurer, together with the statistical tables, furnish all the information concerning the institution which the Revised Laws require or expect the trustees annually to submit, and that a particular statement of the "condition of the hospital and its affairs" is so well presented therein that but few additional words are actually needed on the part of the Board by way of explanation of matters more particularly deserving of notice.

Again, as for several years past, the average number of patients is increased; this year by 23 over that of the year before, giving a new high number, namely, 1,242.

We are, as always, and as are all similar institutions in the State, overcrowded, with beds where there should be airing courts, and cots in the corridors at night. It is hoped that these conditions are not always to prevail, and that the dangers incident to such over-plus of patients will eventually be relieved.

The hospital work has gone on smoothly and without interruption. A large number of inmates (some 300) have been usefully employed upon the grounds, both to their own advantage and to that of the hospital. By their exertions, much work has been accomplished that could not have been profitably undertaken had we been obliged to depend upon hired labor. Land of extraordinary roughness has been cleared of stones and

stumps, roads laid out, underdrained and macadamized, and land brought under cultivation that has long been of no profit to the State.

The electric wiring of the whole building is now practically completed, and, with the installation of a few further fixtures, the use of gas, always dangerous in such an institution, will be practically abolished.

The changes authorized in the administration building are well under way, and when completed will relieve a condition of affairs which had become almost unbearable.

A landmark in the history of the hospital was the graduation of the first class from its training school, which occurred during the past summer. On August the first, diplomas were presented to 21 nurses by the chairman of the Board in Sargent Hall. Prayer was offered by Rev. Eldridge Mix, and an address delivered by Dr. Edward Cowles, formerly superintendent of the McLean Hospital at Waverley. Five of the class remain in the hospital service. Many will take post-graduate courses in general hospitals, and will thus be peculiarly fitted for special nursing, or to fill positions of trust in this or similar institutions.

Three of the assistant physicians have left us during the year: Dr. M. G. Rowe, to take up private practice in Denver; Dr. E. M. Fisher, August 31, to accept a position in Morris Plains; Dr. Isador H. Coriat, in September, to enter on private practice in Boston. Drs. W. C. Haviland and Freeman A. Tower, junior assistants, were appointed to fill two vacancies; the third is at present unfilled.

With the completion of the pathological building this important department of the hospital work will be properly housed, and the present temporary, crowded and inconvenient basement quarters abandoned.

Ten years ago, in their sixty-third annual report, the trustees stated that it had been a source of reproach to the lunatic hospitals of Massachusetts, as well as to those of other States, that they were nothing more than enormous boarding houses for the care of the insane, well-managed boarding houses, it is admitted, but accomplishing little for the advancement of medical and pathological science. The reorganization of our medical

service, which took place that same year, and the establishment of a laboratory were the beginning of an attempt to remove the stigma from this hospital, at least.

The system of having internes or junior assistants, inaugurated at that time, is still maintained. As they serve but twelve months, an opportunity is offered a large number of young medical men to study nervous diseases on both the practical and scientific side, while the hospital has always been able from their ranks to fill vacancies occurring in the staff, thus obtaining men whose attainments have been judged during their pupilage, with manifest benefit to itself. From our laboratory come every day (so the superintendent informs us) answers to most perplexing questions; so that in the treatment of the patients more benefit to them is often obtained from this source than from the druggist and the pharmacy. It is the laboratory work that largely attracts these young men, from whose number not only our own ranks are kept full, but who, as graduates of this training school, have frequently been called to positions in similar institutions in this and other States.

Until 1902, when he was called to New York as medical director of the newly formed pathological institute, the clinical and pathological work was done under the supervision of Dr. Adolph Meyer. The benefit to the patients of the more careful study that could thus be given them under the direction of one whose time was not taken up so largely by administrative work as is that of the superintendent of a large hospital, whose 1,500 inmates depend upon him for the control of every detail of management, became so manifest that since the resignation of Dr. Meyer the system, with its extended and valued records, has been continued.

The most urgent need of the hospital, at present, is a home for male nurses. This matter has been presented in the last two annual reports, but as no appropriation was granted us by the Legislatures of 1903 and 1904, it must, of necessity, come up again.

The building of a home for female nurses, completed two years since, removed from the main building 58 attendants, and in their stead we have 113 additional patients to care for.

We wish to provide a building for 80 men, whose places in the main building can be filled by at least as many additional patients.

Much dissatisfaction must be expected to exist among the male attendants, until they are as well provided for as are those of the opposite sex, and a corresponding difficulty in obtaining proper persons to undertake the often arduous and disagreeable work of caring for the unfortunate insane.

The establishment of a home and a training school for women has greatly increased the efficiency of our working force. The offer of instruction in a profession which gives them a chance for lucrative employment when their hospital life ceases has brought us an increasingly desirable class of applicants. Those without fixed purpose are kept away by the obligation of remaining with us for two years, and an *esprit de corps* is created by their association in class room and lecture hall which is of infinite value to patients and hospital alike. The chance for relief from the sights and sounds inseparable from an institution for the insane, at meal times and at night, brings them brighter and fresher to their work, and renders them more efficient caretakers of those committed to their charge.

We expect corresponding benefits from the establishment of a similar home for the men, and, as the number of men willing to engage in insane hospital work is always much smaller than that of women, the need and the expected benefits are all the greater. We ask for an appropriation of $55,000 for the work.

After the preparation of plans prepared by an engineer, acceptable to the State Board of Health, — plans later approved by that board, — we last spring asked the Legislature for an appropriation for the construction of sewage beds. Similar beds are in satisfactory use in other institutions, can be cared for in a proper manner, at very slight annual expense, and we consider this the most efficient and economical way of abating whatever nuisance may have been created by our present methods. For this purpose the sum of $15,000 is needed and asked for.

The trustees wish to express their high approval of the work of the officers of the institution. Active, efficient, economical administration is the watchword of the superintendent, who,

after thirty-two years spent in this and its sister institution, the Worcester Insane Asylum, is still as enthusiastic as ever in the service of the State, and of the unfortunate insane committed to his care. To him and to his associates may safely be left the task to further advance the already high reputation of this hospital, established in 1832, one of the oldest in the country.

The trustees cannot close this report without reference to the recent death of Dr. John G. Park, who from 1872 to 1890 faithfully served this hospital, five years as assistant physician, twelve years as superintendent. The trustees of 1890 thus speak of him: "Of great executive ability, he has managed the affairs of the hospital to the entire satisfaction of the Board. Of kindly disposition, great gentleness and courtesy, and perfect justness, he has endeared himself to all. The staff, the employees, the patients and the friends of the patients will all miss him."

Respectfully submitted,

SAMUEL B. WOODWARD.
LYMAN A. ELY.
GEORGE F. BLAKE.
ROCKWOOD HOAR.
THOMAS RUSSELL.
SARAH E. WHITIN.
FRANCES M. LINCOLN.

SEPT. 30, 1905.

SUPERINTENDENT'S REPORT.

To the Trustees of the Worcester Insane Hospital..

I herewith respectfully submit the following report of the hospital for the year ending Sept. 30, 1905, it being the seventy-third annual report.

There remained at the hospital Oct. 1, 1905, 1,226 patients, — 619 men and 607 women. During the year 571 patients — 307 men and 264 women — were admitted; 273 patients — 149 men and 124 women — were discharged; 162 patients — 101 men and 61 women (1 habitual drunkard) — died; 117 patients — 61 men and 56 women — were transferred, and 43 patients — 26 men and 17 women — left on visit and escape, leaving at the end of the official year 1,202 patients, — 589 men and 613 women. Of this number, 1,045 were supported by the State, 1 by town (an habitual drunkard, woman) and 156 by friends. Of the 390 discharged and transferred, 123, including 6 habitual drunkards (women), were reported recovered, 52 much improved, 59 improved (1 habitual drunkard, woman), and 152 not improved; 4 were discharged not insane. Thirty men were transferred by the State Board of Insanity to the Worcester Insane Asylum, 30 women to the State Colony at Gardner, 26 men to the Foxborough State Hospital, 2 men and 1 woman to the Boston Insane Hospital, 2 women each to Tewksbury and Westborough, 1 man each to McLean and Northampton, and 1 woman each to Baldwinville Cottages and Herbert Hall. Twenty-three men and 17 women were removed from the State and 17 women and 1 man were boarded out.

There remained at the end of the year 28 patients less than at the beginning. The smallest number under treatment on any one day was 1,180, and the largest, 1,306. The daily average number was 1,242.76.

The percentage of recoveries, calculated upon the number of discharges and deaths, was 22.2; calculated upon the number of admissions it was 21.5.

The death rate was 9.5, calculated on the whole number of patients under treatment; and 13.04, calculated on the daily average number.

The clinical work, conducted upon the basis formerly established, has been stimulated by interesting and instructive staff meetings for the study of unusual cases and the consideration of literature. The medical work has been advanced along the line of non-restraint, either chemical or mechanical, by a fuller use of hydrotherapy and by agreeable and useful occupation for patients. We have come to recognize more and more the physical basis of insanity, and the real demands for nursing care in most of our recent cases and in practically all excited ones. These demands in the female wards have been well met by our more efficient nursing force.

Our training school for nurses, established two years ago, is in successful operation, with a full complement of pupil-nurses and a respectable waiting list from which to draw candidates.

On Aug. 1, 1905, our first graduation exercises were held, and 21 young women who had completed the required school work and had passed the final examinations were awarded diplomas. Practically all of these graduates are now taking either a six months' post-graduate course in a general or special hospital, or they are planning to do so within the current year. After the drill here and the special work in other institutions, these young women should be well fitted for the duties of the nurse, and especially qualified to fill the places of head nurses and supervisors in hospitals of this character; and it is hoped and expected that a certain number of them each year may be induced, by an advance in position and wages, to remain in the service of the hospital.

The school organization and the training have raised very perceptibly the standard of care and nursing for our patients. They have enabled us to secure in sufficient numbers a higher grade of applicants, and have contributed not a little to the better morale of the institution. These improvements in per-

manency and grade of the nursing service, together with much shorter hours for the nurses and cheerful surroundings to which they may retire when not upon actual duty, have been made possible by the home for female nurses, and it is reasonable to suppose that similar advantages would accrue were a home for male nurses provided.

The laboratory work has been conducted as in previous years and complete post-mortem examinations made in every case which came to autopsy. The members of the staff have shown an active interest in the work and have taken advantage of the opportunities to familiarize themselves with the more important methods of technique. They have also gained much from the study of normal and pathological specimens of the nervous system. It has been the aim to utilize the most recent methods of technique and staining, and some good results have been obtained.

During the year many interesting and instructive cases came to autopsy. Among them may be mentioned two brain tumors, many cases of subdural hemorrhage, one case each of lead encephalitis, complete transposition of the viscera, dextrocardia, and one of rapid carcinomatous degeneration of a dermoid cyst. Some valuable neurological material sent to the laboratory by practising physicians has been studied. Further studies on the chemistry of the nervous system were carried on in the chemical laboratory, as were also the necessary examinations in aid of the clinical diagnosis.

During the year Dr. I. H. Coriat published an article in the "Journal of Comparative Neurology and Psychology," Vol. 15, No. 2, 1905, entitled "A review of some recent literature on the chemistry of the central nervous system;" also one on "The production of cholin from lecithin and brain tissue," "American Journal of Psychology," Vol. 12, December, 1904. In addition to these original articles he has reviewed the current psychiatrical literature for the "American Journal of Psychology."

Dr. T. A. Hoch contributed the following two articles to medical literature: "Acute anterior poliomyelitis in a youth," "Journal of Nervous and Mental Diseases," September and October, 1905, and "A study of somatic ideas in various psychoses," "American Journal of Insanity," October, 1905.

The systematic effort that has been made to find employment for our inmates has, I am pleased to say, met with a large measure of success. During the season we have had an average of 300 men at work outside the wards, which represents the large proportion of those physically and mentally fit. Besides assisting in the general work of the hospital, and in our garden and about the grounds, they have been usefully employed in clearing the land in the rear of the hospital and at our Shrewsbury farm, breaking up stones, building roads and drains and excavating for our new buildings.

With the wiring of our wards — which we were able to do during the summer — our electric light plant is practically complete. We have also finished the extension to our laundry and installed the necessary addition of machinery, and are now in a position to meet promptly all the demands of this important department, a thing which we had heretofore found impossible.

I would again urge the need of more ample and better accommodations for our male nurses. As was pointed out in my last report and in that of the previous year, the quarters of our male nurses have long been inadequate. The original design of the hospital provided for a relatively small number of attendants, and made little or no provision for future increase. Since its opening the capacity of the hospital has been more than doubled, and at the same time our ideas as to proper ratio between the number of patients and attendants has greatly increased. Formerly 1 attendant to 12 or 14 patients was considered ample, but with our present standard of care 1 to 10 is found none too many. Formerly there were but 2 night watches on either side to safe-guard the house and its inmates. Now we have regularly 24 persons on night duty. In the meantime, no provision has been made on the male side of the house for additional attendants, and we have been obliged to resort to all sorts of makeshifts to provide the necessary room for them. As a result, our male night watchmen and nurses are lodged in rooms designed for storage purposes, off our chapel gallery and directly under the chapel bell, used through the day as a call bell for officers and employees.

It is hardly to be wondered at that under these conditions they complain that they cannot sleep and that they object to

going on night duty. The day attendants are better provided for but at the expense of the patients whose rooms they occupy, and who as a consequence are crowded out and obliged to put up with beds upon the corridors.

Another change which is demanded, and which makes an increased number of attendants and increased accommodations imperative, is the lessening of their hours of service. In the earlier days of the hospital we had few bed patients and few paralytics and persons needing special nursing. Now, however, our population is largely made up of these classes, and the work of the attendants has correspondingly increased. Under the old conditions their hours were long but their work was light, and they had frequent opportunities of getting out for recreation with the patients. Now their duties are not only more exacting but are continuous, while their hours remain the same. It is impossible, however, to reduce materially their hours of service without increasing our force or leaving the wards insufficiently supervised. We have the utmost difficulty in finding satisfactory male nurses, or of keeping them when found, and I believe that these proposed changes will in a large measure obviate this difficulty and attract to our service a more intelligent, efficient and stable class of help; such, at least, has been our experience on the women's side of the house when similar changes have been made.

The Legislature of last year, having failed to make an appropriation for the filter beds required by the State Board of Health for the disposal of our sewage, it will be necessary to renew our request the coming year.

The current expenses, less the amount received from articles sold, have been $268,513.89; dividing this by 1,242.76, the daily average number of patients, gives $216.06 as the annual cost of support, which is equivalent to a weekly cost of $4.15.

We wish to thank the proprietors of the "Worcester Evening Gazette" and the "Fitchburg Sentinel" for copies of their papers, and the Worcester Employment Society for sewing.

HOSEA M. QUINBY,
Superintendent.

WORCESTER, Sept. 30, 1905.

PRODUCTS OF THE FARM

On Hand Oct. 1, 1905, and not delivered at the Hospital.

Apples, barrels,	800	Hay, swale, tons,	10
Beans, lima, bushels,	29	Lettuce, heads,	3,000
Beets, bushels,	400	Parsnips, bushels,	400
Cabbage, heads,	12,000	Parsley, bushels,	1
Cauliflower, heads,	419	Rowen, dry, tons,	10
Carrots, bushels,	100	Rowen, uncut, tons,	28
Celery, heads,	8,000	Rye, bushels,	10
Ensilage, tons,	287	Spinach, bushels,	75
Fodder, barley, tons,	50	Squash, winter, pounds,	17,200
Fodder, millet, tons,	30	Straw, rye, tons,	3
Hay, English, tons,	212	Turnips, bushels,	100

FARM ACCOUNT.

Dr.

Beds,	$19 80
Bread,	314 03
Butter,	852 26
Blacksmith,	356 00
Carriages, wagons, and repairs,	477 07
Current expenses,	1,113 63
Fertilizer,	537 90
Fish,	242 58
Fuel,	1,293 56
Furniture,	5 00
Groceries, etc.,	2,225 06
Harness and repairs,	280 79
Hay, grain, etc.,	9,234 51
Ice,	40 89
Lights,	316 20
Amount carried forward,	$17,309 28

Amount brought forward,	$17,309 28
Live stock: —	
Bulls,	85 00
Cows,	2,595 50
Horses,	695 00
Meats,	1,765 37
Milk,	591 60
Repairs,	1,231 93
Seeds,	299 61
Sugar,	421 01
Tools,	294 56
Wages,	9,328 08
Water,	170 52
Net gain for year ending Sept. 30, 1905,	1,234 26
	$36,021 72

Cr.

Apples, No. 1, 167.5 barrels,	$271 25
Apples, No. 2, 166.5 barrels,	193 00
Apples, crab, 1 bushel,	1 25
Asparagus, 8 bushels,	1 47
Barrels sold, 75,	15 00
Beans, lima, 171.75 bushels,	342 75
Beans, shell, 97 bushels,	121 25
Beans, string, 176 bushels,	176 00
Beef, forequarters, 34,	356 56
Beef, hindquarters, 34,	525 02
Beets,	314 75
Beet greens, 34.5 bushels,	10 35
Bones sold, 5,660 pounds,	28 30
Cabbage, 319.75 barrels,	305 74
Carrots, 59.5 bushels,	41 25
Cartage,	1 00
Cauliflower, 1,125 heads,	140 63
Celery, 367 dozen,	416 20
Cider, 1,336 gallons,	133 60
Corn, 3,130 dozen,	250 40
Cucumbers, 6,828,	113 84
Cucumber, pickles, 27,232,	68 08
Currants, 875 quarts,	70 00
Dressing, 25 loads,	50 00
Egg plants, 13,	75
Feed, ground, 1,000 pounds,	12 58
Gravel, 182 loads,	182 00
Gravel sold, 12 loads,	1 80
Hay, 27,895 pounds,	269 07
Hides, cow, sold, 1,779 pounds,	136 26
Amount carried forward,	$4,550 15

Amount brought forward,	$4,550 15
Hides, calf, sold, 3,	1 95
Ice, 1,068 tons,	728 93
Ice sold, 170 tons,	42 50
Live stock sold: —	
Calves, 60,	515 50
Cows, 11,	172 00
Hogs, 15,	120 35
Lettuce, 1,138 dozen,	388 70
Milk, 390,987 quarts,	15,639 48
Oats, 879 bushels,	364 56
Onions, 631 bushels,	621 25
Parsley,	32
Parsnips, 227.5 bushels,	199 76
Pears, 19 bushels,	19 25
Peas, 214.5 bushels,	254 30
Peppers, .5 bushel,	42
Plants sold, 75,	75
Popcorn sold, 422 pounds,	7 97
Pork sold, 43,447.75 pounds,	3,106 00
Pork, grease sold, 256 pounds,	2 56
Radishes, 11,064,	191 20
Raspberries, red, 12 quarts,	1 80
Rhubarb, 11,113 pounds,	161 08
Rhubarb sold, 140 pounds,	1 40
Rye sold, 5 bushels,	4 25
Sand, 295 yards,	375 00
Sand sold, 1 yard,	1 25
Scullions, 3.75 bushels,	3 75
Spinach, 345.5 bushels,	114 26
Squash, summer, 670.5 dozen,	124 97
Squash, winter, 60,550 pounds,	908 25
Straw, oat, 70,442 pounds,	462 58
Straw, rye, 4,480 pounds,	55 98
Strawberries, 4,664 quarts,	466 40
Strawberries sold,	94 33
Thrashing machine sold,	10 00
Tomatoes, 401.25 bushels,	421 00
Tomatoes, green, 23 bushels,	11 50
Turnips, 119 bushels,	56 92
Veal, forequarters, 2,	3 60
Veal, hindquarters, 2,	4 50
Farm attendants (extra), 852 days,	1,278 00
Labor, men, 1,977 days,	1,977 00
Teams, 639 days,	2,556 00
Total receipts,	$36,021 72

LIST OF PERSONS

Employed in the Worcester Insane Hospital Sept. 30, 1905.

Superintendent, per year,	$3,000 00
Assistant superintendent, per year,	2,000 00
Assistant physicians (3), each, per year,	1,000 00
Assistant physician, per year,	800 00
Junior assistant physicians (4), each, per year,	400 00
Pathologist, per year,	1,200 00
Druggist, per week,	20 00
Assistant in laboratory, per month,	25 00
Steward, per year,	1,200 00
Matron, per year,	600 00
Clerk, per month,	60 00
Treasurer, per year,	500 00
Auditor, per year,	75 00
Stenographers (2), per week,	10 00
Stenographer, per month,	30 00
Superintendent of nurses, per year,	900 00
Supervisors (3 men), each, per month,	$40 00 to 45 00
Supervisors (5 women), each, per month,	25 00
Marker of clothing, etc.,	20 00
Seamstresses (4), each, per month,	18 00
Attendants (60 men), each, per month,	$23 00 to 28 00
Attendants and nurses (80 women), each, per month,	14 00 to 20 00
Baker, per month,	60 00
Assistant baker, per month,	45 00
Steward's assistant, per month,	30 00
Kitchen men (2), each, per month,	$23 00 and 30 00
Cooks (4), each, per month,	22 00 to 50 00
Laundrymen (2), each, per week and month,	12 00 and 28 00
Laundress, per month,	25 00
Laundry girls (8), each, per month,	$16 00 to 18 00
Kitchen girls (6), each, per month,	14 00 to 18 00

House girls (20), each, per month,	$14 00 to $16 00
Office girl, per month,	18 00
Carpenters (5), each, per day,	$2 50 to 3 00
Painters (2), each, per day,	2 50
Masons (3), each, per day,	3 25
Tenders (2), per day,	2 25
Steamfitter, per day,	3 00
Plumber, per month,	75 00
Engineer, per day,	3 00
Assistant engineers (2), each, per day,	2 25
Firemen (2), each, per month,	40 00
Night fireman, per day,	2 00
Farmers (2), per month,	$45 00 and 75 00
Housekeepers (3) each, per month,	18 00 to 25 00
Farm laborers (18), each, per month,	25 00 to 40 00
Florist, per month,	45 00
Coachman, per month,	28 00
Expressman, per month,	25 00
Basement and yard men (2), each, per month,	$25 00 and 28 00
Butcher, per month,	28 00
Electrician, per week,	20 00

VALUATION OF PERSONAL ESTATE

SEPT. 30, 1905.

Provisions and groceries,	$7,302 81
Ready-made clothing,	2,471 90
Dry-goods: —	
For clothing,	323 16
For bedding, etc.,	708 12
Furnishings: —	
Beds and bedding in inmates' department,	32,516 50
Other furnishings in inmates' department,	24,053 30
Personal property of State in superintendent's department,	18,040 73
All other property,	19,313 68
Heat, light and power: —	
Fuel,	6,922 50
Repairs and improvements: —	
Machinery and mechanical fixtures,	54,306 62
All other property,	1,550 00
Farm, stable and grounds: —	
Live stock on farm,	15,240 00
Produce of farm on hand,	10,270 70
Carriages and agricultural implements,	6,208 80
All other property,	1,395 80
Miscellaneous: —	
Drugs and medicines,	802 26
Tobacco,	215 43
Library,	6,015 99
Other supplies undistributed,	6,442 49
	$214,100 79

TREASURER'S REPORT.

To the Trustees of the Worcester Insane Hospital.

I hereby submit my annual report on the finances of the Worcester Insane Hospital for the year ending Sept. 30, 1905.

Receipts.

Cash on hand Sept. 30, 1904,	$6,142 55
Received from cities and towns for support of patients,	845 46
from individuals for support of patients,	50,232 84
from individuals for support of patients, reimbursement,	12,149 93
from interest on bank balance,	150 21
from farm and farm products,	4,263 17
from sales from store,	860 28
from sale of sundries,	2,758 56
from Commonwealth for current expenses,	276,395 90
from Commonwealth from special appropriations,	38,492 89
Total receipts,	$392,291 79

Expenditures.

Pay roll,		$91,823 49
Food: —		
Butter,	$12,699 52	
Beans,	746 52	
Bread and crackers,	661 75	
Cereals, rice, meal, etc.,	1,571 85	
Cheese,	1,106 97	
Eggs,	6,185 25	
Flour,	13,697 50	
Fish,	3,551 23	
Fruit,	2,775 49	
Meats,	20,716 76	
Molasses, etc.,	587 26	
Sugar,	6,168 63	
Tea, coffee, etc.,	1,736 69	
Vegetables,	3,586 10	
Sundries,	2,394 60	
		78,186 12
Amount carried forward,		$170,009 61

Amount brought forward,		$170,009 61
Clothing and clothing material: —		
Boots, shoes, etc.,	$1,798 96	
Clothing,	5,686 49	
Dry goods for clothing, etc.,	2,467 16	
Furnishing goods,	709 72	
Hats and caps,	158 18	
Leather and shoe findings,	50 24	
Sundries,	27 52	
		10,898 27
Furnishings: —		
Beds, bedding, table linen, etc.,	$4,109 33	
Brushes, brooms, etc.,	338 52	
Carpets, rugs, etc.,	273 92	
Crockery, glass ware, cutlery, etc.,	2,119 61	
Furniture and upholstery,	545 94	
Kitchen furnishings,	709 00	
Woodenware, etc.,	123 37	
Sundries,	377 91	
		8,597 60
Heat, light and power: —		
Coal,	$24,472 08	
Gas,	6,335 37	
Oil,	225 98	
Sundries,	110 96	
		31,144 39
Repairs and improvements: —		
Bricks,	$500 76	
Cement, lime, etc.,	1,250 37	
Doors, sashes, etc.,	244 05	
Electrical work and supplies,	55 58	
Hardware,	1,266 83	
Lumber,	2,973 80	
Machinery, etc.,	2,815 83	
Mechanics and laborers (not on pay roll),	93 65	
Paints, oils, glass, etc.,	1,788 18	
Plumbing, steamfitting and supplies,	7,508 19	
Roofing and materials,	1,573 32	
Sundries,	2,427 43	
		22,497 99
Farm, stable and grounds: —		
Blacksmith and supplies,	$618 44	
Carriages, wagons and repairs,	997 39	
Fertilizers, seeds, etc.,	888 14	
Hay, grain, etc.,	9,218 51	
Harness and repairs,	490 76	
Horses,	695 00	
Amounts carried forward,	$12,908 24	$243,147 86

Amounts brought forward,	$12,908 24	$243,147 86
Cows,	2,595 50	
Other live stock,	85 00	
Tools, farm machines, etc.,	507 94	
Sundries,	1,173 72	
		17,270 40
Miscellaneous: —		
Books, periodicals, etc.,	$471 06	
Chapel services and entertainments,	391 80	
Freight, expressage, etc.,	304 96	
Funeral expenses,	403 00	
Gratuities,	47 40	
Hose, etc.,	80 68	
Medicines and hospital supplies,	2,027 13	
Medical attendance,	390 00	
Postage,	470 80	
Printing and printing supplies,	212 54	
Return of runaways,	211 26	
Soap and laundry supplies,	3,037 81	
Stationery and office supplies,	432 58	
School books and school supplies,	310 68	
Travel and expenses (officials),	166 22	
Telephone and telegraph,	167 52	
Tobacco,	1,293 98	
Water,	3,925 91	
Sundries,	1,378 99	
		15,724 32
Printing annual report,		253 32
Total,		$276,395 90
Paid out of special appropriations,	$38,492 89	
Receipts paid to State Treasurer,	71,381 71	
		109,874 60
Total expenditures,		$386,270 50
Cash on hand Sept. 30, 1905,		6,021 29
		$392,291 79

RESOURCES.

Cash on hand Oct. 1, 1905,	$6,021 29
Bills due from cities and towns,	42 71
Bills due from individuals,	13,009 02
Bills due from individuals, reimbursements,	3,854 06
Unexpended special appropriations,	8,421 49
Total resources,	$31,348 57

Liabilities.

Due for salaries and wages,	$8,610 99
Due for all other current expenses,	10,318 25
Due for special appropriations,	353 68
Total liabilities,	$19,282 92

Special Appropriations.

Object	Resolves.	Whole Amount.	Expended during the Hospital Year.	Expended to Date.	Balance Oct. 1, 1905.
Electric lighting,	1902, chap. 118,	$16,000 00	$11,772 28	$15,576 57	$423 43
Electric lighting,	1903, chap. 414,	45,000 00	9,454 83	45,000 00	-
Stenographer's room,	1903, chap. 414,	3,000 00	-	2,986 16	13 84
Pathological building,	1904, chap. 323,	10,000 00	9,750 00	10,000 00	-
Alterations in administration building,	1904, chap. 59,	11,000 00	3,572 83	3,572 83	7,427 17
Laundry and laundry machinery,	1904, chap. 59,	4,500 00	3,942 95	3,942 95	557 05

Patients' Funds.

Balance on hand Sept. 30, 1904,	$2,680 92	
Receipts during year,	1,690 65	
Interest on bank balance,	51 10	
		$4,422 67
Refunded,		1,599 83
Balance on hand Sept. 30, 1905,		$2,822 84

Respectfully submitted,

ALBERT WOOD,
Treasurer.

Sept. 30, 1905.

STATEMENT OF FUNDS.

Lewis Fund.

Balance on hand Sept. 30, 1904,	$1,293 17	
Dividends,	53 68	
		$1,346 85
Expended for vault rent,		6 00
		$1,340 85

Investment.

Chicago, Burlington & Quincy Railroad bond,	$926 36	
Worcester County Institution for Savings,	342 60	
Cash on hand Sept. 30, 1905,	71 89	
		$1,340 85

Wheeler Fund.

Balance on hand Sept. 30, 1904,	$4,861 13	
Dividends,	186 63	
		$5,047 76
Expended for books,		173 28
		$4,874 48

Investment.

Three shares Worcester National Bank,	$570 00	
Five shares Boston & Philadelphia Steamship Company,	712 50	
Worcester County Institution for Savings,	1,600 00	
Worcester Five Cents Savings Bank,	1,719 47	
Mechanics Savings Bank,	79 14	
Cash on hand Sept. 30, 1905,	193 37	
		$4,874 48

Lawn Fund.

Balance in Mechanics Savings Bank Sept. 30, 1904,	$948 54	
For sale of trees,	145 00	
Dividends,	40 32	
		$1,133 86
Expended for shrubs, seeds, etc.,		234 57
		$899 29

Investment.

Mechanics Savings Bank, ...	$852 75	
Cash on hand Sept. 30, 1905, ...	46 54	
		$899 29

MANSON FUND.

Balance in Worcester County Institution for Savings Sept. 30, 1905, ...	$1,430 96	
Dividends, ...	54 21	
		$1,485 17
Expended for bookcases, ...		165 00
		$1,320 17

Investment.

Worcester County Institution for Savings, .	$1,294 29	
Cash on hand Sept. 30, 1905, ...	25 88	
		$1,320 17

LAND ACCOUNT.

Balance on hand Sept. 30, 1904, ...	$33 02
Expended for plans, ...	5 50
Balance in bank Sept. 30, 1905, ...	$27 52

Respectfully submitted,

ALBERT WOOD,
Treasurer of Corporation.

SEPT. 30, 1905.

WORCESTER, MASS., Oct. 19, 1905.

I hereby certify that I have this day compared the treasurer's statement of receipts and disbursements for the year ending Sept. 30, 1905, with the books kept at the Worcester Insane Hospital, and find it correct. I have also inspected the securities representing the invested funds of the institution and find that their market value is as stated.

GEO. L. CLARK,
Auditor of Accounts.

STATISTICAL TABLES.

[Form prescribed by State Board of Insanity.]

1. — *General Statistics of the Year.*

	Insane.			Habitual Drunkards.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in the house Oct. 1, 1904,	619	601	1,220	-	6	6	619	607	1,226
Admitted within the year,	307	257	564	-	7	7	307	264	571
Viz.: by commitment,	281	229	510	-	5	5	281	234	515
by transfer,	7	12	19	-	-	-	7	12	19
from visit,*	16	14	30	-	2	2	16	16	32
from escape,	3	2	5	-	-	-	3	2	5
Whole number of cases within the year,	926	858	1,784	-	13	13	926	871	1,797
Dismissed within the year,	337	249	586	-	9	9	337	258	595
Viz.: Discharged,	149	117	266	-	7	7	149	124	273
as recovered at time of leaving hospital,	73	44	117	-	6	6	73	50	123
as much improved,	26	19	45	-	-	-	26	19	45
as improved,	22	21	43	-	1	1	22	22	44
as not improved,	24	33	57	-	-	-	24	33	57
as not insane,	4	-	4	-	-	-	4	-	4
Died,	101	60	161	-	1	1	101	61	162
Transferred,	61	56	117	-	-	-	61	56	117
Escaped,	16	1	17	-	-	-	16	1	17
On visit October 1,	10	15	25	-	1	1	10	16	26
Patients remaining Sept. 30, 1905,	589	609	1,198	-	4	4	589	613	1,202
Viz.: supported as State patients,	530	512	1,042	-	3	3	530	515	1,045
as town patients,	-	-	-	-	1	1	-	1	1
as private patients,	59	97	156	-	-	-	59	97	156
Number of different persons within the year,	913	853	1,766	-	13	13	913	866	1,779
Number of different persons admitted,	294	252	546	-	7	7	294	259	553
Number of different persons admitted by commitment,	276	229	505	-	5	5	276	234	510
Number of different persons recovered,	73	44	117	-	6	6	73	50	123
Daily average number of patients,	619.39	619.95	1,239.35	-	3.41	3.41	619.39	623.36	1,242.76
Viz.: State patients,	557.93	520.25	1,078.18	-	1.85	1.85	557.93	522.10	1,080.03
town patients,	-	-	-	-	1.	1.	-	1.	1.
private patients,	61.46	99.70	161.17	-	.55	.55	61.46	100.26	161.72

* Nominally admitted for discharge: males, 14; females, 12 (including 2 habitual drunkards); total, 26.

2. — *Insane received on First and Subsequent Commitment.*

NUMBER OF THE COMMITMENT.	Cases committed		
	Males.	Females.	Totals.
First to this hospital,	242	199	441
Second to this hospital,	26	21	47
Third to this hospital,	7	3	10
Fourth to this hospital,	2	2	4
Fifth to this hospital,	1	1	2
Sixth to this hospital,	2	1	3
Seventh to this hospital,	-	1	1
Eighth to this hospital,	-	1	1
Ninth to this hospital,	1	-	1
Total cases,	281	229	510
Total persons,	276	229	505
Never before in any hospital for the insane,	219	182	401

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	Males.			Females.			Totals.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
Massachusetts,	84	29	26	47	19	20	131	48	46
Other New England States,	18	21	25	13	15	13	31	36	38
Other States,	16	12	11	11	6	6	27	18	17
Total native,	118	62	62	71	40	39	189	102	101
Other countries: —									
Austria,	-	-	-	2	1	1	2	1	1
Belgium,	1	1	1	-	-	-	1	1	1
Canada,	25	25	26	30	22	25	55	47	51
China,	1	-	-	-	-	-	1	-	-
Denmark,	-	-	-	-	-	1	-	-	1
England,	7	12	12	4	4	4	11	16	16
Finland,	5	2	2	4	3	3	9	5	5
Germany,	2	2	2	-	1	1	2	3	3
Hungary,	1	1	1	-	-	-	1	1	1
Ireland,	29	61	61	40	64	63	69	125	124
Italy,	2	3	3	4	4	4	6	7	7
Portugal,	1	1	1	-	-	-	1	1	1
Poland,	1	1	1	-	-	-	1	1	1
Russia,	5	6	6	3	3	3	8	9	9
Spain,	1	-	-	-	-	-	1	-	-
Scotland,	4	4	4	5	4	3	9	8	7
Sweden,	7	9	9	3	4	4	10	13	13
Switzerland,	-	1	1	-	-	-	-	1	1
West Indies,	1	1	1	1	1	1	2	2	2
Total foreign,	93	130	131	96	111	113	189	241	244
Unknown,	8	27	26	15	31	30	23	58	56
Totals,	219	219	219	182	182	182	401	401	401

4. — Residence of Insane Persons admitted by Commitment.

PLACES.	First admitted to any Hospital.			Other Admissions.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Massachusetts (by counties): —						
Essex,	–	5	5	–	3	3
Middlesex,	46	59	105	9	18	27
Norfolk,	12	5	17	–	–	–
Suffolk,	33	21	54	16	5	21
Worcester,	128	92	220	32	21	53
Totals,	219	182	401	57	47	104
Cities or towns,	176	132	308	41	32	73
Country districts,	43	50	93	16	15	31

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	110	50	160
Married,	81	84	165
Widowed,	19	32	51
Divorced,	1	4	5
Unknown,	8	12	20
Totals,	219	182	401

6. — Occupation of Insane Persons first admitted to Any Hospital.

FEMALES.

Attendant,	1	Nurse,	1
Clerks,	3	Operatives,	11
Cooks,	2	Stenographer,	1
Domestics,	32	No occupation,	40
Dressmakers,	2		
Housekeepers,	23	Total,	168
Housewives,	49	Unknown,	14
Laundress,	1		
Milliners,	2	Total,	182

MALES.

Agent,	1	Mechanics,	2
Apprentice,	1	Merchants,	2
Armorer,	1	Mill overseer,	1
Barbers,	3	Motorman,	1
Bartender,	1	Moulders,	2
Bookkeepers,	2	Operatives,	20
Bootmaker,	1	Painters,	4
Brass finisher,	1	Peddler,	1
Brokers,	2	Polisher,	1
Builders,	2	Porter,	1
Butchers,	2	Physician,	1
Cabinet maker,	1	Pullman conductor,	1
Carpenters,	12	Quarryman,	1
Clerks,	6	Railroad gateman,	1
Clergymen,	2	Retired,	2
Coachman,	1	Seaman,	1
Cook,	1	Shoemakers,	3
Coremaker,	1	Stationary engineer,	1
Deputy sheriff,	1	Stone cutter,	1
Electric car conductor,	1	Tailors,	2
Farmers,	9	Teamsters,	4
Fishermen,	2	Telegraph operator,	1
Flagman,	1	Tinsmiths,	3
Foreman,	1	Tramp,	1
Gardener,	1	Varnish maker,	1
Grinder,	1	Waiter,	1
Hostlers,	2	Watchman,	1
Iron workers,	2	Weavers,	4
Janitor,	1	No occupation,	18
Laborers,	52		
Lineman,	1	Total,	214
Machinists,	13	Unknown,	5
Mason,	1		
Meat cutter,	1	Total,	219

7. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	First admitted to Any Hospital.						Died.					
	At first attack.			When admitted.			At first attack.			At time of death.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	5	1	6	–	–	–	3	4	7	–	–	–
15 years and less,	–	3	3	4	2	6	–	–	–	–	–	–
From 15 to 20 years,	6	9	15	6	9	15	–	–	–	–	–	–
20 to 25 years,	11	17	28	15	20	35	4	3	7	3	2	5
25 to 30 years,	21	18	39	30	17	47	4	3	7	2	3	5
30 to 35 years,	18	19	37	27	25	52	7	2	9	2	3	5
35 to 40 years,	16	16	32	19	17	36	11	4	15	8	1	9
40 to 50 years,	32	31	63	48	39	87	23	8	31	26	9	35
50 to 60 years,	21	18	39	33	19	52	21	15	36	18	11	29
60 to 70 years,	16	14	30	19	19	38	13	11	24	20	9	29
70 to 80 years,	5	7	12	8	8	16	7	6	13	13	14	27
Over 80 years,	3	3	6	6	7	13	5	2	7	9	8	17
Totals,	154	156	310	215	182	397	98	58	156	101	60	161
Unknown,	65	26	91	4	–	4	3	2	5	–	–	–
Totals,	219	182	401	219	182	401	101	60	161	101	60	161
Mean known ages in years,	40.7	39.9	40.3	42.3	42.1	42.2	48.9	49.3	49.1	55.7	59.1	57.4

8. — Probable Causes of Mental Disease in Persons first admitted to Any Hospital.

Exciting Causes.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Alcoholic Intemperance.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males	Females.	Totals.	Males.	Females.	Totals.
Physical.												
Alcohol,	77	15	92	7	–	7	2	2	4	77	15	92
Alcohol and other causes,	6	–	6	3	–	3	–	–	–	6	–	6
Arterio sclerosis,	8	1	9	–	–	–	–	–	–	–	–	–
Blindness,	1	–	1	–	–	–	–	–	–	–	–	–
Brain tumor,	2	–	2	–	–	–	–	–	–	–	–	–
Cerebral hemorrhage,	5	–	5	2	–	2	–	–	–	–	–	–
Childbirth,	–	6	6	–	1	1	–	–	–	–	–	–
Consanguinity,	–	1	1	–	1	1	–	–	–	–	–	–
Constitutional inferiority,	18	5	23	4	3	7	4	3	7	1	–	1
Epilepsy,	6	3	9	1	–	1	5	2	7	–	–	–
Excessive tea,	–	5	5	–	2	2	–	–	–	–	2	2
Heredity,	10	22	32	10	22	32	3	5	8	–	–	–
Heredity and other causes,	–	2	2	–	2	2	–	–	–	–	–	–
Ill health,	6	9	15	–	3	3	–	1	1	–	–	–
Ill health and other causes,	–	5	5	–	1	1	–	–	–	–	–	–
Imbecility,	1	2	3	–	–	–	1	–	1	–	–	–
Involution,	–	4	4	–	1	1	–	–	–	–	1	1
Lactation,	–	1	1	–	–	–	–	–	–	–	–	–
Masturbation,	1	–	1	1	–	1	–	–	–	–	–	–

Menopause,	–	5	5	–	–	–	–	1	1	–	–	–
Menopause and other causes,	–	2	2	–	–	–	–	–	–	–	–	–
Menstrual disorders,	–	3	3	–	–	–	–	–	–	–	–	–
Miscarriage,	–	2	2	–	–	–	–	–	–	–	–	–
Opium,	–	2	2	–	–	–	–	1	1	–	1	1
Overwork,	1	1	2	–	1	1	–	–	–	1	–	1
Pregnancy,	–	1	1	–	–	–	–	–	–	–	–	–
Puberty,	7	1	8	1	–	1	1	1	2	–	–	–
Puerperium,	–	2	2	–	1	1	–	–	–	–	–	–
Senility,	7	13	20	–	2	2	–	1	1	1	–	1
Senility and other causes,	2	3	5	1	–	1	–	–	–	–	–	–
Syphilis,	17	4	21	–	–	–	–	–	–	2	–	2
Syphilis and other causes,	1	–	1	–	–	–	–	–	–	–	–	–
Trauma,	7	–	7	1	–	1	–	–	–	3	–	3
Trauma and other causes,	1	–	1	1	–	1	–	–	–	–	–	–
Mental.												
Bereavement,	–	7	7	–	3	3	–	1	1	–	1	1
Fright,	–	1	1	–	–	–	–	1	1	–	–	–
Worry,	1	4	5	–	1	1	–	1	1	–	–	–
Totals,	185	132	317	32	44	76	16	20	36	91	20	111
Unknown,	34	50	84	–	–	–	2	9	11	–	–	–
Totals,	219	182	401	32	44	76	18	29	47	91	20	111

9. — Probable Duration of Mental Disease before Admission.

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	6	1	7
Under 1 month,	44	41	85
From 1 to 3 months,	27	25	52
3 to 6 months,	16	18	34
6 to 12 months,	12	15	27
1 to 2 years,	22	13	35
2 to 5 years,	20	13	33
5 to 10 years,	9	12	21
10 to 20 years,	7	6	13
Over 20 years,	1	3	4
Totals,	164	147	311
Unknown,	55	35	90
Totals,	219	182	401
Average known duration in years,	2.7	2.4	2.6

10. — Form of Mental Disease in Patients committed, discharged, with Condition on Discharge, or died.

FORM OF DISEASE.	Committed.			Discharged.																		Total Discharges and Deaths.		
				Recovered.			Much improved.			Improved.			Not improved.			Not insane.			Deaths.					
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —																								
Alcoholic insanity,	81	13	94	52	5	57	6	1	7	-	-	-	1	1	2	-	-	-	3	-	3	62	7	69
Amentia,	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Constitutional inferiority,	5	5	10	-	-	-	1	1	2	1	1	2	2	3	5	-	-	-	-	-	-	4	5	9
Delirium (infectious, toxic and æsthenic),	2	10	12	2	2	4	-	3	3	-	-	-	-	-	-	-	-	-	-	1	1	2	6	8
Dementia, præcox,	46	43	89	-	-	-	5	-	5	9	10	19	10	11	21	-	-	-	4	4	8	28	25	53
Epileptic insanity,	9	4	13	-	-	-	2	1	3	-	1	1	-	-	-	-	-	-	5	2	7	7	4	11
General paralysis of the insane,	25	16	41	-	-	-	3	-	3	1	-	1	4	1	5	-	-	-	24	10	34	32	11	43
Hysterical insanity,	7	1	8	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Imbecility,	-	9	9	-	-	-	-	-	-	1	1	2	1	1	2	-	-	-	2	3	5	4	5	9
Involution psychosis,	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Katatonia,	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	2
Lead encephalitis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Melancholia,	1	9	10	1	1	2	1	2	3	1	-	1	-	2	2	-	-	-	1	5	6	4	10	14
Organic dementia,	12	-	12	-	-	-	-	-	-	-	2	2	1	-	1	-	-	-	13	-	13	14	2	16
Paranoic condition,	6	18	24	-	-	-	-	1	1	1	1	2	-	2	2	-	-	-	1	5	6	2	9	11
Periodic insanity: —																								
Circular,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Depressed,	6	15	21	2	5	7	2	2	4	-	1	1	-	-	-	-	-	-	4	2	6	8	10	18
Manic,	1	12	13	5	7	12	-	4	4	1	-	1	-	-	-	-	-	-	-	1	1	6	12	18
Manic-delirious,	-	2	2	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	3	3
Mixed,	-	3	3	-	2	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	3	3
Polyneuritic psychosis,	-	-	-	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	2	-	2
Senile dementia,	14	20	34	-	-	-	-	-	-	-	-	-	1	3	4	-	-	-	19	16	35	20	19	39
Traumatic insanity,	3	-	3	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	-	2
Not insane,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4	-	4	-	-	-	4	-	4
Totals,	219	182	401	63	27	90	22	15	37	17	19	36	20	24	44	4	-	4	78	50	128	204	135	339

10. — Form of Mental Disease in Patients committed, discharged, with Condition on Discharge, or died — Concluded.

FORM OF DISEASE.	Committed.			Discharged.																		Total Discharges and Deaths.		
				Recovered.			Much Improved.			Improved.			Not Improved.			Not Insane.			Deaths.					
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Other admissions : —																								
Alcoholic insanity,	10	2	12	6	2	8	-	-	-	2	-	2	-	-	-	-	-	-	2	-	2	10	2	12
Constitutional inferiority,	1	-	1	-	-	-	-	1	1	-	-	-	-	2	2	-	-	-	-	-	-	-	3	3
Dementia, præcox,	18	8	26	-	-	-	2	-	2	2	-	2	3	2	5	-	-	-	2	1	3	9	3	12
Epileptic insanity,	4	2	6	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	1	-	1	2	1	3
General paralysis of the insane,	3	2	5	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	8	-	8	9	-	9
Huntington's chorea,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	1	2
Imbecility,	4	3	7	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	1	2	2	1	3
Involution psychosis,	1	-	1	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	2	2
Katatonia,	3	-	3	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Melancholia,	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	1	2
Organic dementia,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Paranoic condition,	2	-	2	-	-	-	-	1	1	-	-	-	-	3	3	-	-	-	1	2	3	1	6	7
Periodic insanity : —																								
Depressed,	5	10	15	2	4	6	-	1	1	-	-	-	-	-	-	-	-	-	3	2	5	5	7	12
Manic,	2	11	13	2	7	9	-	1	1	-	-	-	-	-	-	-	-	-	2	-	2	4	8	12
Mixed,	3	5	8	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
Senile dementia,	2	2	4	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	1	1	2	1	3	4
Traumatic insanity,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals,	62	47	109	10	17	27	4	4	8	5	2	7	4	9	13	-	-	-	23	10	33	46	42	88
Aggregate persons,	281	229	510	73	44	117	26	19	45	22	21	43	24	33	57	4	-	4	101	60	161	250	177	427
Aggregate cases,	276	229	505	73	44	117	26	19	45	22	21	43	24	33	57	4	-	4	101	60	161	250	177	427

11. — Discharges of the Insane, classified by Admission and Result.

NUMBER OF THE ADMISSION.	Recovered.			Much improved.			Improved.			Not improved.			Not insane.			Died.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . .	64	30	94	23	15	38	19	20	39	22	28	50	4	–	4	89	52	141	221	145	366
Second to this hospital, . .	7	8	15	1	2	3	2	–	2	1	1	2	–	–	–	7	5	12	18	16	34
Third to this hospital, . .	1	3	4	1	2	3	1	–	1	1	3	4	–	–	–	3	2	5	7	10	17
Fourth to this hospital, . .	1	1	2	1	–	1	–	–	–	–	1	1	–	–	–	–	–	–	2	2	4
Fifth to this hospital, . .	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	1	–	1	1	1	2
Sixth to this hospital, . .	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	1	1	2	1	2	3
Seventh to this hospital, .	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Total cases, . . .	73	44	117	26	19	45	22	21	43	24	33	57	4	–	4	101	60	161	250	177	427
Total persons, . . .	72	43	115	26	19	45	22	21	43	24	32	56	4	–	4	101	60	161	249	175	424
First admitted to any hospital,	63	27	90	22	15	37	17	19	36	20	24	44	4	–	4	78	50	128	204	135	339

12. — *Causes of Death and Form of Mental Disease in Persons who died.*

CAUSES OF DEATH.	Aggregates.			General Paralysis.			Senile Dementia.			Organic Dementia.			Epilepsy.			Paranoic Condition.			Dementia, Præcox.			Imbecility.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females	Totals.	Males.	Females.	Totals.
I. General diseases: —																								
Erysipelas,	-	2	2	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicæmia,	4	3	7	2	-	2	-	-	-	1	-	1	-	-	-	-	-	-	1	1	2	-	-	-
Septicæmia and broncho-pneumonia,	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary tuberculosis,	7	4	11	2	-	2	-	-	-	-	-	-	-	-	-	-	1	1	2	1	3	-	-	-
Pulmonary tuberculosis and subdural hemorrhage,	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary tuberculosis and pleurisy with effusion,	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tubercular enteritis,	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Syphilis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cancer of soft palate,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Cancer of omentum,	-	3	3	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Epithelioma of groin,	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pernicious anæmia,	1	2	3	-	-	-	-	1	1	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-
Exhaustion from acute mania and fracture,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
II. Diseases of the nervous system: —																								
Cerebral hemorrhage,	13	6	19	2	2	4	4	2	6	5	1	6	-	-	-	1	-	1	-	-	-	-	-	-
Cerebral embolism,	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General paralysis of the insane,	6	5	11	6	5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Status epilepticus,	1	1	2	-	1	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Brain tumor,	2	-	2	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
III. Diseases of the circulatory system: —																								
Cardiac valvular disease,	6	8	14	-	1	1	2	3	5	-	-	-	-	-	-	-	3	3	1	-	1	-	-	-
Endocarditis and pleurisy with effusion,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rupture of the heart,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heart failure,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arterio sclerosis,	2	3	5	-	-	-	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IV. Diseases of the respiratory system: —																								
Chronic bronchitis,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Hypostatic pneumonia,	10	1	11	5	-	5	2	1	3	1	-	1	2	-	2	-	-	-	-	-	-	-	-	-
Lobar pneumonia,	21	4	25	8	-	8	4	1	5	3	-	3	1	2	3	-	-	-	-	-	-	-	-	-
Lobar pneumonia and cerebral hemorrhage,	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Lobar pneumonia and pleurisy with effusion,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Broncho-pneumonia,	5	5	10	1	1	2	2	1	3	-	-	-	1	-	1	-	-	-	1	1	2	-	-	-
Broncho-pneumonia and pleurisy,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary œdema,	3	1	4	1	-	1	-	-	-	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-
Pleurisy with effusion,	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Empyema,	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropneumothorax,	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V. Diseases of the digestive organs: —																								
Gastro-enteritis,	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
Enteritis,	2	-	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Peritonitis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Intestinal obstruction,	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strangulated hernia,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VI. Diseases of the genito-urinary system: —																								
Nephritis,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
VII. Diseases of the skin: —																								
Senile gangrene,	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII. Violence: —																								
Suicide by hanging,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals,	101	60	161	32	11	43	19	17	36	13	1	14	7	2	9	2	7	9	6	5	11	2	4	6

12.— Causes of Death and Form of Mental Disease in Persons who died — Concluded.

CAUSES OF DEATH.	Melancholia.			Delirium.			Periodic Insanity.			Huntington's Chorea.			Alcholic Insanity.			Katatonia.			Lead Encephalitis.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
I. General diseases:—																					
Erysipelas,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicæmia,	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Septicæmia and broncho-pneumonia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary tuberculosis,	1	1	2	-	-	-	1	1	2	-	-	-	1	-	1	-	-	-	-	-	-
Pulmonary tuberculosis and subdural hemorrhage,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary tuberculosis and pleurisy with effusion,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tubercular enteritis,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis,	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Cancer of soft palate,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cancer of omentum,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epithelioma of groin,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pernicious anæmia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exhaustion from acute mania and fracture,	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
II. Diseases of the nervous system:—																					
Cerebral hemorrhage,	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral embolism,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General paralysis of the insane,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Status epilepticus,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brain tumor,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III. Diseases of the circulatory system:—																					
Cardiac valvular disease,	-	-	-	-	-	-	-	1	1	-	-	-	2	-	2	1	-	1	-	-	-
Endocarditis and pleurisy with effusion,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Rupture of the heart,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Heart failure,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arterio sclerosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IV. Diseases of the respiratory system:—																					
Chronic bronchitis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypostatic pneumonia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia,	1	1	2	-	-	-	2	-	2	-	-	-	1	-	1	-	-	-	1	-	1
Lobar pneumonia and cerebral hemorrhage,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia and pleurisy with effusion,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Broncho-pneumonia,	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Broncho-pneumonia and pleurisy,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-

Pulmonary œdema,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pleurisy with effusion,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Empyema,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropneumothorax,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V. Diseases of the digestive organs: —																							
Gastro-enteritis,	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Enteritis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peritonitis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strangulated hernia,	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
VI. Diseases of the genito-urinary system: —																							
Nephritis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII. Diseases of the skin: —																							
Senile gangrene,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII. Violence: —																							
Suicide by hanging,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals,	3	6	9	-	1	1	9	6	15	1	-	1	5	-	5	1	-	1	1	-	1		

13. — Duration of Mental Disease and its Treatment in Patients who recovered or died.

PERIOD.	First admitted to any Hospital.									All other admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known period of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recovered: —															
Under 1 month, . .	16	10	26	11	2	13	1	–	1	2	–	2	–	–	–
From 1 to 3 months,	7	5	12	29	7	36	11	4	15	–	1	1	3	2	5
3 to 6 months,	3	2	5	10	9	19	8	7	15	–	–	–	–	–	–
6 to 12 months,	1	2	3	7	5	12	5	4	9	–	2	2	4	4	8
1 to 2 years, .	1	–	1	5	2	7	3	3	6	2	7	9	3	6	9
2 to 5 years, .	1	–	1	1	2	3	1	1	2	–	3	3	–	5	5
5 to 10 years, .	–	–	–	–	–	–	–	–	–	–	2	2	–	–	–
10 to 20 years, .	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Over 20 years, . .	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals, . .	29	19	48	63	27	90	29	19	48	4	16	20	10	17	27
Unknown, . . .	34	8	42	–	–	–	34	8	42	6	1	7	–	–	–
Totals, . .	63	27	90	63	27	90	63	27	90	10	17	27	10	17	27
Average of known cases (in months), ...	2.38	2.02	2.20	4.19	6.86	5.52	6.34	8.77	7.55	11.84	27.06	19.45	7.48	19.4	13.44

B — Died: —															
Under 1 month, . .	11	15	26	15	6	21	2	3	5	–	–	–	2	–	2
From 1 to 3 months,	9	3	12	13	10	23	5	–	5	2	–	2	1	1	2
3 to 6 months,	7	3	10	12	4	16	5	6	11	2	1	3	1	1	2
6 to 12 months,	5	3	8	9	6	15	7	4	11	2	–	2	4	–	4
1 to 2 years, .	10	4	14	13	9	22	11	7	18	1	1	2	3	1	4
2 to 5 years, .	4	4	8	10	7	17	13	4	17	3	2	5	9	6	15
5 to 10 years, .	2	2	4	5	7	12	5	7	12	1	2	3	2	–	2
10 to 20 years, .	2	2	4	1	1	2	2	5	7	2	–	2	1	–	1
Over 20 years, . .	3	1	4	–	–	–	3	1	4	2	2	4	2	1	3
Totals, . .	53	37	90	78	51	129	53	37	90	15	8	23	23	10	33
Unknown, . . .	25	13	38	–	–	–	25	13	38	8	2	10	–	–	–
Totals, . .	78	51	128	78	50	128	78	50	128	23	10	33	23	10	33
Average of known cases (in months), ...	25.10	38.25	31.67	14.75	25.04	13.26	62.86	64.46	63.66	78.89	105.91	92.40	59.76	62.8	61.28